

29 ANSWER 22 OF 39 CA COPYRIGHT 2002 ACS  
 N 120:219578 CA  
 I Fire-resistant chlorine-containing polymer compositions  
 N Iida, Yoshio; Nishimura, Masaru  
 A Asahi Denka Kogyo Kk, Japan  
 O Jpn. Kokai Tokkyo Koho, 7 pp.  
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 T Patent  
 A Japanese  
 C ICM C08L027-04  
 ICS C08K003-16; C08K003-24; C08K003-34; C08K005-19  
 C 37-6 (Plastics Manufacture and Processing)

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JP 05287144	A2	19931102	JP 1992-93080	19920413

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Title comps. with improved discoloration and heat resistance contain 0.01-20 phr zinc stannate and/or zinc hydroxystannate and 0.01-10 phr .gtoreq.1 compds. selected from HClO<sub>4</sub>, its metal, \*\*\*ammonium\*\*\*, and org. \*\*\*ammonium\*\*\* salts, HClO<sub>4</sub>-treated hydrotalcites, and HClO<sub>4</sub>-treated silicic acid salts. Thus, \*\*\*PVC\*\*\* 100, CaCO<sub>3</sub> 100, DOP 50, epoxidized soybean oil, 2, LZ 2116 (perbasic Ba carboxylate) 0.8, Ba nonylphenate 0.2, Zn stearate 0.5, Ba(ClO<sub>4</sub>)<sub>2</sub> 0.1, and ZnSnO<sub>3</sub> 6 parts were roll kneaded and hot pressed to give a sheet showing limiting O index 26.2 and smoke d. (BS 6401) 151 Dm.

\*\*\*PVC\*\*\* zinc stannate fireproofing; smoke suppression \*\*\*PVC\*\*\* zinc stannate; discoloration resistance \*\*\*PVC\*\*\* zinc stannate; heat resistance \*\*\*PVC\*\*\* barium \*\*\*perchlorate\*\*\*

Heat \*\*\*stabilizers\*\*\*  
 ( \*\*\*perchlorates\*\*\*, for \*\*\*PVC\*\*\*, with reduced smoke)

Fireproofing agents  
 (zinc stannate, for \*\*\*PVC\*\*\*, with reduced smoke and heat and discoloration resistance)

Discoloration prevention  
 (agents, \*\*\*perchlorates\*\*\*, for \*\*\*PVC\*\*\*, with reduced smoke)

Fireproofing agents  
 (smoke inhibitors, zinc stannate, for \*\*\*PVC\*\*\*, with good heat and discoloration resistance)

7601-89-0, Sodium \*\*\*perchlorate\*\*\* 7601-90-3, \*\*\*Perchloric\*\*\* acid, uses 7778-74-7, Potassium \*\*\*perchlorate\*\*\* 10034-81-8, Magnesium \*\*\*perchlorate\*\*\* 13465-95-7, Barium \*\*\*perchlorate\*\*\* 85153-31-7 143710-48-9, Alcamizer V

RL: USES (Uses)  
 ( \*\*\*PVC\*\*\* contg., zinc stannate and, with reduced smoke and good heat and discoloration resistance)

\*\*\*9002-86-2\*\*\*, \*\*\*PVC\*\*\*

RL: USES (Uses)  
 (contg. zinc stannate and \*\*\*perchlorates\*\*\*, with reduced smoke and good heat and fire resistance)

12027-96-2 12036-37-2, Zinc stannate (ZnSnO<sub>3</sub>)

RL: USES (Uses)  
 (fireproofing agents, \*\*\*PVC\*\*\* contg. \*\*\*perchlorates\*\*\* and, with reduced smoke and heat and discoloration resistance)

1343-88-0, Magnesium silicate

RL: USES (Uses)  
 ( \*\*\*perchloric\*\*\* acid-treated, \*\*\*PVC\*\*\* contg., zinc stannate and, with reduced smoke and heat and discoloration resistance)

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